

To provide adequate light, two sets of strobe lights were set up, one set in the corridor outside the tank and the other set—a slave unit—inside over the tank. The idea was for the set in the corridor to trigger the photoelectric cell on the slave unit and thus provide light from both sides simultaneously.

With that in mind, Moss lowered the slave unit's photoelectric cell into the jack tank to line it up with the lights outside the tank. One of the jacks—apparently hungrier than his tankmates—promptly rose to the photoelectric cell, grabbed it in his mouth and pulled cell, cable and all to the bottom of the tank.

After replacing the ruined equipment, Moss placed the new cell in an empty tank adjacent. He got his pictures, the jack got fed, Miss Robinson got chilly and the Aquarium got a new "fish story."

NEW YEAR BRINGS NEW STAFF MEMBER

Mrs. JACQUELINE SCHOENWALD resigned effective December 31, 1957, as departmental assistant to Dr. Robert T. Orr, Curator of Birds and Mammals. Employed by the Academy since March, 1955, Mrs. Schoenwald left to help her husband manage a firm he has taken over in Belmont.

Replacing Mrs. Schoenwald as departmental assistant is Betty North. Betty, who started at the Academy December 15, is from St. Louis, Missouri. She attended school (Washington University) there, receiving her undergraduate degree in 1953. Just before she came west she completed a year's work for her master's degree in psychiatric social work.

The Academy Television Department also has a new face. It belongs to Gertrude Boettcher—more commonly known as "Trudy"—who joined the Academy staff several weeks ago. Trudy works four days a week in television and one day for Dr. Earl Herald.

BONESTELL PAINTINGS NOW ON DISPLAY

THE HIGHLY REGARDED paintings of Chesley Bonestell were recently put on display in the Lovell White Hall of Man and Nature at the Academy and will remain on exhibit for about six weeks.

Bonestell is known for his paintings of space, astronomical phenomena, the instruments of space flight, and for his ideas, based on available information, about what landscapes on other planets might look like.

The paintings are highly realistic, both in content and execution, and have been displayed in Griffith Planetarium in Los Angeles and other places.

NEW MEMBERS

NEW MEMBERS who joined the Academy last month are:

REGULAR MEMBERSHIP

Mrs. Helen M. Clenner
Mr. William E. Haney, Jr.
Dr. Rubin M. Lewis
Miss Anne P. Jesena
Mr. Kenneth E. Owen
Mr. Paul B. Stewart
Mr. F. W. Thrane, Jr.

Mr. H. W. Cookson, Jr.
Mr. C. W. Daniel
Mr. John Forsythe, Jr.
Mr. William J. Harry
Mr. John F. Kernan
Mr. James B. Linford
Mr. Robert B. Parker
Mr. and Mrs. Harold Rocklitz

CONTRIBUTING MEMBERSHIP

FAMILY MEMBERSHIP

Mr. and Mrs. S. P. Alexander
Dr. and Mrs. Howard Carroll

Mitchell G. Cooper, Jr. SK3
Lt. John W. Dane, USAF
Dr. Charles A. Rowe

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(Photo by Nature Close Ups)

SMALL GAME "SHOOTING" IN AFRICA
(See page 3)

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January Announcement

THE REGULAR JANUARY MEETING of the California Academy of Sciences will be held at 8:15 p. m., Wednesday, January 22, in the May Treat Morrison Auditorium. This month's Walter B. Scaife Foundation lecture will be given by Cleveland P. Grant, Audubon Screen Tour lecturer, who will present:

"YUKON INDIAN SUMMER"

In the past 25 years, Cleveland P. Grant has produced more than 25 motion picture films on the native wild birds and animals of North America and he now devotes full time to producing and showing natural color motion pictures.

In recent years, Mrs. Grant has traveled with her husband. The Grants have covered most of this continent together, including five expeditions into the Yukon and Alaska. During these trips into the wilderness of the Yukon Territory, the Grants made this color film which starts viewers in Wisconsin and then takes them northwest through unsurpassed wildlife areas. Antelope, chipmunks, ground squirrels, badgers, hoary marmots, black bear and mule deer are among the animals the film shows in their native habitats.

In addition, viewers will see breathtaking vistas of silvery peaks, shimmering lakes, spruce-covered slopes and surging rivers, all a part of the vast country that leads to the Yukon.

For the most part, the Yukon is a wilderness inhabited chiefly by Indians, and the film shows visits to the Indian villages of Carcross, Klukshu and Dalton Post, where salmon fishing and moccasin making are part of the everyday life.

Time out is taken for trout and pike fishing and the film's climax comes in a search for the huge grizzly bear. The stalking of this animal culminates in a sequence of a grizzly in action, filmed by Grant from only 23 feet away.

The Grants spent three "Indian summers" in the Yukon and traveled more than 30,000 miles to produce this color film and Academy members and their friends are cordially invited to see the results.

ASTRONOMY SECTION MEETING

THROUGH SPECIAL ARRANGEMENT, the Bell Telephone Company's color-sound film, "The Mystery of Cosmic Rays," will be shown at the January meeting of the Academy Astronomy Section.

Charles F. Hagar, assistant Curator of Astronomy at the Academy, will conduct the meeting at 8:15 p. m., Thursday, January 23, in the student lecture room. The film runs one hour.

REDWOODS TO BE TELEVISED

ACADEMY MEMBERS interested in redwoods may see them on television when the Academy's series for children, *Explorers of Tomorrow*, presents a program on the subject of California redwoods at 1 p. m., Sunday, February 9.

According to Benjamin Draper, executive producer in the Academy's television department, the program will feature displays and demonstrations showing both the natural science aspects of redwoods and their uses.

CAMERAS ON AFRICA

THE COLLECTING AND PHOTOGRAPHIC expedition in Africa headed by Dr. Edward S. Ross, the Academy's Curator of Entomology, is apparently going along relatively smoothly, according to word brought back by H. Vannoy Davis, San Francisco businessman who is associated with Dr. Ross in a photographic venture called Nature Close Ups.

Davis joined Ross in Bukavu and from there the expedition, which includes Mrs. Ross and Robert Leech, traveled north, collecting and photographing African game, mostly the smaller varieties. Davis said while he was with the Ross expedition, they traveled 3,000 miles through the Congo, Uganda, Kenya and Tanganyika. They climbed the Ruwenzori Range (Mountains of the Moon) to an elevation of 13,800—on foot. The only firearm used, said Davis, was a .22 calibre pistol to kill poisonous snakes and small birds for the collections.

Thousands of specimens are being collected and hundreds of photographs taken by the expedition members, Davis said. The expedition, co-sponsored by the Academy and the National Geographic Society, will return to this country in the late spring or early summer. Davis flew back into the Bay Area late last year.

THREE FINE BOOKS ADDED TO LIBRARY SHELVES

TWO HANDSOME BOOKS dealing with birds were recently purchased by the library through the Moffitt Memorial Fund, Miss Veronica J. Sexton, librarian, announced recently. The books are "The Birds of Greenland" with text by Finn Salomonsen and color plates by Gitz-Johansen, and "The Birds of Arabia" by Colonel R. Meinertzhagen. Finely executed color plates are highlights of both works.

The library has also acquired "Notes on the Tulip" by W. R. Dykes. E. Katherine Dykes is responsible for the editing and for the beautiful color plates which illustrate this book.

ACADEMY DIRECTOR ATTENDS MEETINGS

ACADEMY DIRECTOR Dr. Robert C. Miller attended the meeting of the American Committee for International Wildlife Protection in New York City January 10. The following day, Dr. Miller attended a meeting of the council of the American Association of Museums, also in New York.

On his return he stopped off at Utah State University in Logan, Utah, to make arrangements for this year's meeting of the Pacific Division of the American Association for the Advancement of Science. The meeting will be held in Logan June 16-20. Dr. Miller is Secretary of the Pacific Division of AAAS.

JACKS PROVE INDEPENDENT

ALTHOUGH DR. EARL HERALD and other members of the staff of Steinhart Aquarium coöperated fully with San Francisco photographer Elmer Moss when he desired to take photographs of Pat Robinson swimming in the tank with the Aquarium's Wake Island jacks, the jacks had other ideas.